

STAGE 1 - INSTALL TEMPORARY BEARING PLATFORMS

1. ONCE SITE AND ABUTMENT PREPARATION IS COMPLETE, BEGIN INSTALLATION OF CRANE MATS IN THE SHOWN LOCATIONS.
2. IT IS IMPERATIVE THAT THE CRANE OPERATORS FAMILIARIZE THEMSELVES WITH THE LOCATION OF THE OVERHEAD UTILITIES ON THE SOUTHERN SIDE OF THE ROAD. THESE UTILITIES ARE NOT TO BE MOVED OR ALTERED IN ANY WAY.
3. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF THE NEXT BEAMS. THE MAXIMUM RADIUS OF THE HSP-8050 LOADED IS 30 FEET. THE MAXIMUM RADIUS OF THE HC-125 LOADED IS 70 FEET.
5. IF UNDESIRABLE SOIL IS PRESENT IN THE LOCATIONS OF THE CRANE MATS, EXCAVATE 5 FEET, FILL AND COMPACT GRANULAR MATERIAL FOR APPLICABLE AREA.
6. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE MATS.

NOTES:
CRANE MATS: 4'-0" x 20'-0" x 1'-0"

HC125 CRANE MAT LAYOUT:
7 MATS LONG x 1 MAT WIDE x 2 MATS DEEP MINIMUM

HSP-150 CRANE MAT LAYOUT:
2 MATS STACKED PER OUTRIGGER MINIMUM

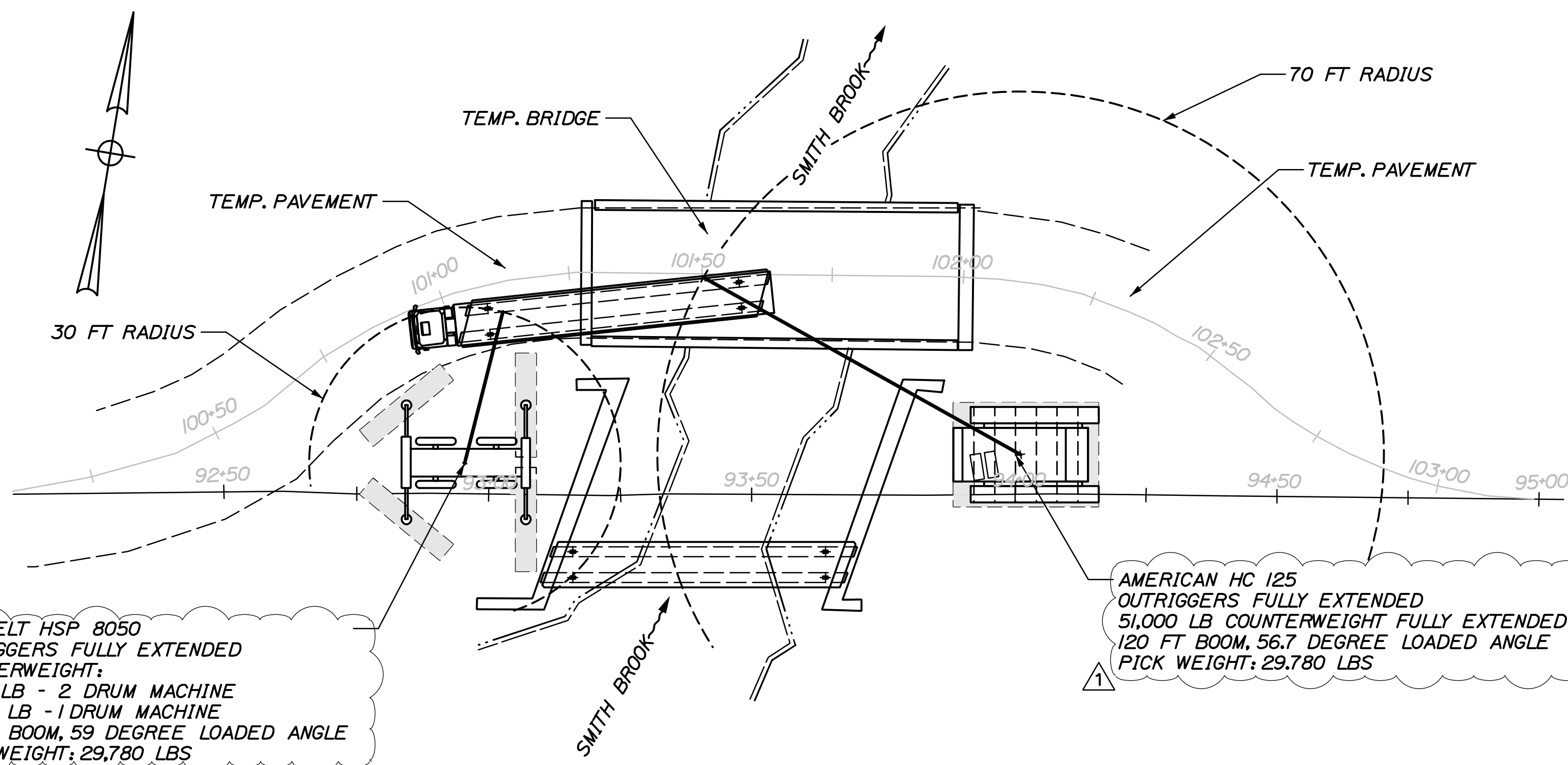
DIFFERENTLY SIZED CRANE MATS ORGANIZED TO ACHIEVE THE SAME BEARING AREA AND DEPTH MAY BE SUBSTITUTED AT THE DISCRETION OF THE CONTRACTOR.

THE GIVEN STATIONING AND ORIENTATION FOR THE CRANE MATS IS APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR.

CRANE SET UP: FROM CRANE SPECS

HSP-8050: 62 FT BOOM, 59 DEGREE LOADED BOOM ANGLE
COUNTERWEIGHT: 11,050 LB - 2 DRUM MACHINE
12,000 LB - 1 DRUM MACHINE

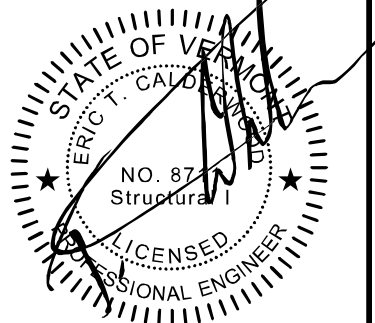
HC-125: 120 FT BOOM, 56.7 DEGREE LOADED BOOM ANGLE
COUNTERWEIGHT: 51,000 LBS FULLY EXTENDED.



STAGE 2 - INSTALLATION

1. DRIVE TRUCK WITH BEAM J-B2 (29.75T) INTO THE PLACE AS SHOWN.
2. INSTALL SOUTH MOST NEXT BEAM J-B2 USING BOTH CRANES RIGGED TO DISTRIBUTE LOAD EVENLY.
3. REPEAT PROCESS WITH BOTH J-B1 BEAMS (29.78T EA.), AND THE NORTH MOST J-B2 BEAM (29.75T).
4. ONCE THE CONTRACTOR HAS VERIFIED THE LOCATION AND ELEVATION OF THE NEXT BEAMS, MOVE THE CRANES, REMOVE THE CRANE MATS, AND BACKFILL FOR CAST IN PLACE APPROACH SLABS.

CALDERWOOD ENGINEERING, ETC.
STRUCTURAL ENGINEERING • DETAILING SERVICES
222 RIVER RD. RICHMOND, ME 04357 PH/FX (207) 737-2008
PREPARED FOR:
A.L. ST. ONGE CONTRACTOR, INC
VTAOT PROJ. NUMBER BRP 030-2(26)
CEE 38-MI-15



DATE
5/15
BY
TEPA
CM
P.E. NUMBER
8711
DATE

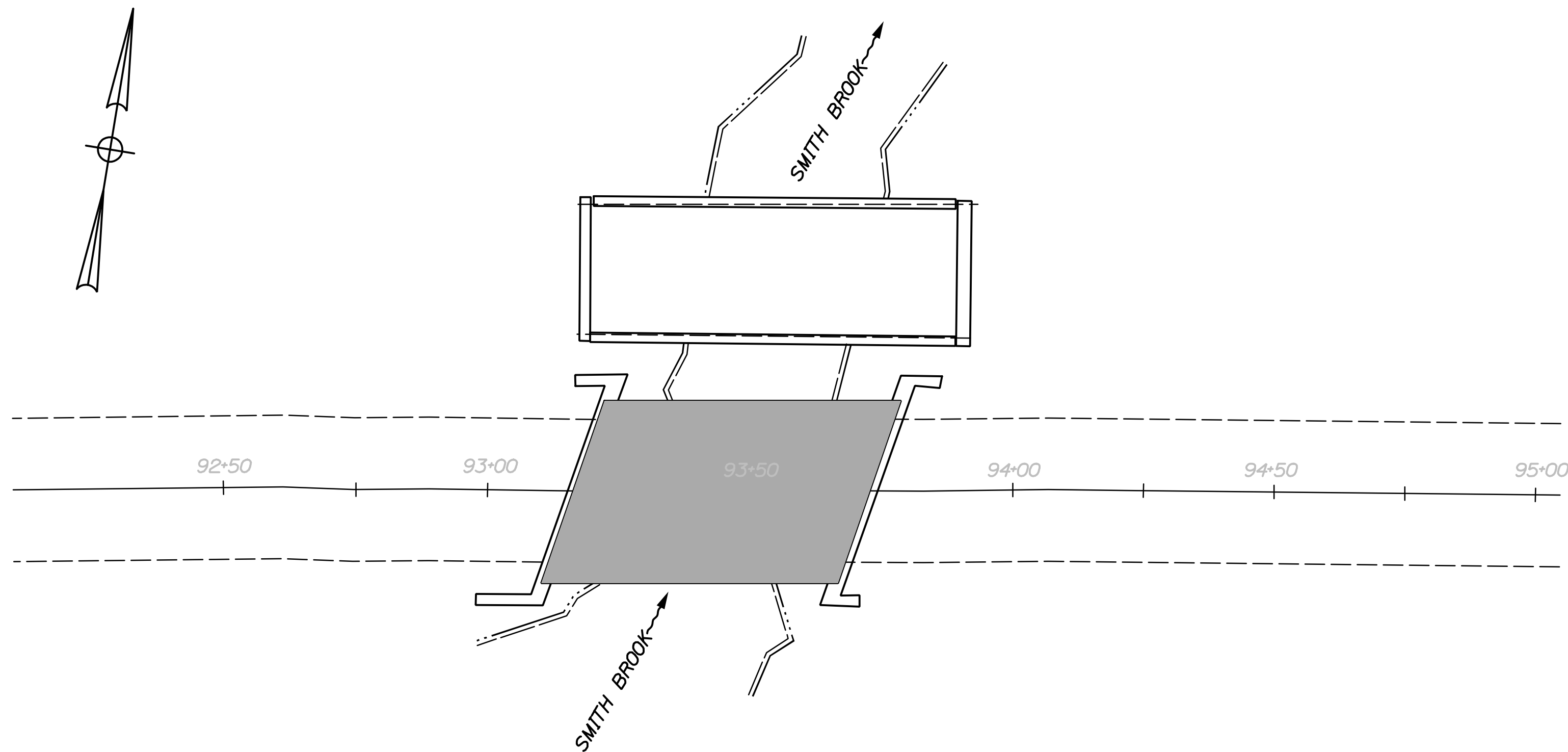
DESIGN-DETAILED	CHECKED-REVIEWED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

JOHNSON, VT - VT 15
OVER SMITH BROOK
ASSEMBLY PLAN

SHEET NUMBER

1

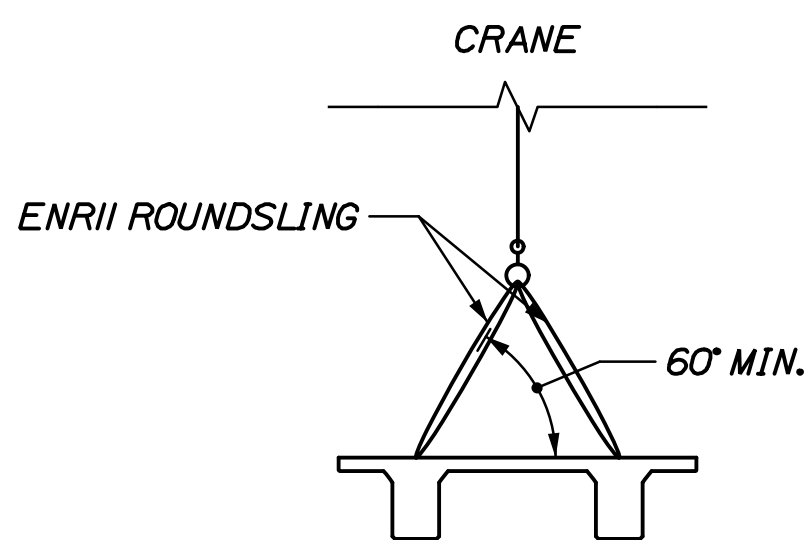




STAGE 3 - INSTALLATION
 1. CAST IN PLACE APPROACH SLABS ACCORDING TO CONTRACT DETAILS.
 2. INSTALL ASPHALTIC PLUG JOINTS CONTRACT DETAILS.
 3. INSTALL STEEL RAIL CAST CONCRETE DECK ON NEXT BEAMS AND FINISH PER CONTRACT DETAILS.
 4. CONSTRUCT APPROACH AND ROADWAY ALIGNMENT. OPEN BRIDGE TO TRAFFIC.

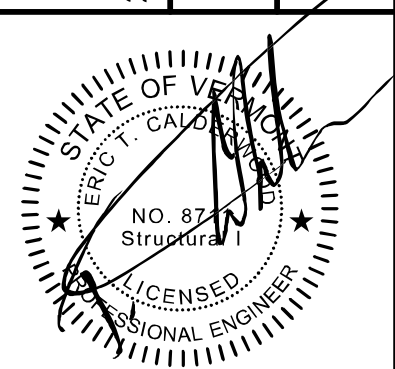


NEXT BEAM LIFTING SCHEME
 NOT TO SCALE



NEXT BEAM LIFTING SCHEME SECTION
 NOT TO SCALE

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SHEET NUMBER
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